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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-34867

First Inventor

Ki-Don Lee, et al.

Title

Mechanical Cooling Fin for Interconnects

Express Mail Label No.

EV334469290US

2386 U.S. PTO  
0688290



101703

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (preferred arrangement set forth below) [ Total Pages **14** ]
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [ Total Sheets **4** ]
5. Oath or Declaration [ Total Pages **1** ]
  - a. ☒ Newly Executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation

☐ Divisional

☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)



Correspondence address below

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CITY

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Robert L. Troik

Registration No. (Attorney/Agent)

Reg. No. 24,183

Signature

Robert L. Troik

Date

10/17/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

17589  
U.S. PTO  
101703

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# FEE TRANSMITTAL

for FY 2003

Complete If Known

Application Number **TBD**  
Filing Date **Herewith**  
First Named Inventor **Ki-Don Lee, et al.**  
Examiner Name **TBD**  
Group / Art Unit **TBD**  
Attorney Docket No. **TI-34867**

Express Mailing Label No.: **EV334469290US**

TOTAL AMOUNT OF PAYMENT **(\$) 770.00**

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

**20-0668**

Deposit Account Name

**Texas Instruments Incorporated**

- ☒ Charge any additional fee required or credit any overpayment ☐ Charge all indicated fees and any additional fee required or credit any overpayment

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid     |
|----------------|-----------------|----------------|-----------------|------------------------|--------------|
| 1001           | 770             | 2001           | 370             | Utility filing fee     | <b>\$770</b> |
| 1002           | 330             | 2002           | 165             | Design filing fee      | \$           |
| 1003           | 510             | 2003           | 255             | Plant filing fee       | \$           |
| 1004           | 740             | 2004           | 370             | Reissue filing fee     | \$           |
| 1005           | 160             | 2005           | 80              | Provisional filing fee | \$           |

SUBTOTAL (1) **(\$)770**

### 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 20                 | -20** = 0    | 18             | 0        |
| Independent Claims | 2            | -3** = 0       | 86       |
| Multiple Dependent |              | 260            |          |

\*\*or number previously paid, if greater; For Reissue, see below

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 1202           | 18              | 2202           | 9               | Claims in excess of 20                                    |
| 1201           | 86              | 2201           | 42              | Independent Claims in excess of 3                         |
| 1203           | 280             | 2203           | 140             | Multiple dependent claims in excess of 3                  |
| 1204           | 86              | 2204           | 42              | **Reissue independent claims over original patent         |
| 1205           | 18              | 2205           | 9               | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) **(\$)0**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   | Fee Paid |
|----------------|-----------------|----------------|-----------------|---|----------|
| 1051           | 130             | 2051           | 65              | Surcharge - late filing fee   |          |
| 1052           | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet.                   |          |
| 1053           | 130             | 1053           | 130             | Non-English specification   |          |
| 1812           | 2,520           | 1812           | 2,520           | For filing a request for reexamination                                    |          |
| 1804           | 920*            | 1804           | 920*            | Requesting publication of SIR prior to Examiner action                    |          |
| 1805           | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                       |          |
| 1251           | 110             | 2251           | 55              | Extension for reply within first month                                    |          |
| 1252           | 420             | 2252           | 200             | Extension of time within second month                                     |          |
| 1253           | 950             | 2253           | 460             | Extension of time within third month                                      |          |
| 1254           | 1,480           | 2254           | 720             | Extension of time within fourth month                                     |          |
| 1255           | 2,010           | 2255           | 980             | Extension of time within fifth month                                      |          |
| 1401           | 330             | 2401           | 160             | Notice of Appeal  |          |
| 1402           | 330             | 2402           | 160             | Filing a brief in support of an appeal                                    |          |
| 1403           | 290             | 2403           | 140             | Request for oral hearing  |          |
| 1451           | 1,510           | 1451           | 1,510           | Petition to institute a pubic use proceeding                              |          |
| 1452           | 110             | 2452           | 55              | Petition to revive - unavoidable  |          |
| 1453           | 1,330           | 2453           | 640             | Petition to revive - unintentional  |          |
| 1501           | 1,280           | 2501           | 640             | Utility issue fee (or reissue)  |          |
| 1502           | 460             | 2502           | 230             | Design issue fee  |          |
| 1503           | 620             | 2503           | 310             | Plant issue fee   |          |
| 1460           | 130             | 1460           | 130             | Petitions to the Commissioner   |          |
| 1801           | 770             | 2801           | 370             | Request for Continued Examination (RCE)                                   |          |
| 1806           | 180             | 1806           | 180             | Submission of Information Disclosure Stmt.                                |          |
| 8021           | 40              | 8021           | 40              | Recording each patent assignment per property (time number of properties) |          |
| 1809           | 740             | 2809           | 370             | Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 1810           | 740             | 2801           | 370             | For each additional invention to be examined (37 CFR 1.129(b))            |          |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **0**

## SUBMITTED BY

Typed or Printed Name

**Robert L. Troike**

Signature

*Robert L. Troike*

Date

**10/17/03**

Complete (if applicable)

Reg. Number

**24,183**

Deposit Account User ID